Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/05/2015 02:07 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122824	-2	5.04	122445	4.94
Blue	F	SSC	125000	123356	-2	2.83	124288	2.53
Blue	E	FITC	17224	16616	-4	2.64	937	9.61
Blue	D	PE	22462	21891	-3	2.22	987	8.77
Blue	B	PerCP-Cy5-5	63940	62796	-2	2.93	1647	14.31
Blue	A	PE-Cy7	72480	71379	-2	4.04	925	27.33
Red	C	APC	63778	62668	-2	2.52	3540	8.09
Red	A	APC-Cy7	97254	95210	-3	2.62	1876	7.80
Violet	B	V450	10730	10335	-4	3.40	642	8.52
Violet	A	V500	42147	41182	-3	3.09	2326	5.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18559	28.37	625	5	N/A	N/A	Pass
Blue	F	SSC	61706	1.62	531	4	N/A	N/A	Pass
Blue	E	FITC	101	37.49	541	2	0.0217	141	Pass
Blue	D	PE	203	27.27	535	3	0.1567	193	Pass
Blue	B	PerCP-Cy5-5	197	43.86	620	6	0.0096	31	Pass
Blue	A	PE-Cy7	66	114.45	680	7	0.0124	18	Pass
Red	C	APC	329	25.85	583	-1	0.0212	0	Pass
Red	A	APC-Cy7	119	37.74	564	-1	0.0050	872	Pass
Violet	B	V450	68	45.85	475	1	0.0417	2136	Pass
Violet	A	V500	152	23.45	505	2	0.0133	408	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.26	-31.04	0.71
Blue	20.46	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.17
Red	15.07	13.09 - 19.63	N/A	N/A	31.47	31.64	1.08

Window Extension: 7.00
FSC Area Scaling Factor: 0.82

Threshold

Threshold (FSC): 10121

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments